

CLAIMS

Please cancel claims 4, 12, 20, and 31.

Please amend claims 1, 7, 9, 17, and 25 as shown below.

Please add new claim 32.

1. (Currently Amended) A call context processor, comprising:
a header extractor configured to extract a header from information
extracted from initial call establishment negotiation;
a header compressor configured to compress only relevant portions of the
extracted header, the relevant portions comprising a payload type header field; and
an identification module configured to establish context identification using
the compressed relevant portions of the header.

2. (Original) The call context processor of claim 1, wherein the
identification module associates the context identification with a bearer channel of a call
established from the initial call establishment negotiation.

3. (Previously Presented) The call context processor of claim 1,
wherein the compressed relevant portion of the extracted header will be transmitted to a
remote unit with a payload wherein the header compressor not compressing portions of
the header that will not be transmitted to the remote unit with the payload.

4. (Canceled)

5. (Original) The call context processor of claim 1, the header being
an RTP, UDP, IP header.

6. (Original) The call context processor of claim 1, wherein the call
context processor extracts information by processing a create connection message and

an associated session data protocol header from the initial call establishment negotiation.

7. (Currently Amended) A transmission network, comprising:
a network; and
a base connected to the network that includes a call context processor,
the call context processor comprising:
a header extractor configured to extract a header from information
extracted from initial call establishment negotiation;
a header compressor configured to compress only relevant portions
of the extracted header, the relevant portions comprising a payload type header field;
and
an identification module configured to establish context
identification using the compressed relevant portions of the header.

8. (Original) The transmission network of claim 7, wherein the base
transfers data to a remote unit via airlink access.

9. (Currently Amended) A call context processing method,
comprising:
extracting a header from information extracted from initial call
establishment negotiation;
compressing only relevant portions of the extracted header, the relevant
portions comprising a payload type header field; and
establishing context identification using the compressed relevant portions
of the header.

10. (Original) The call context processing method of claim 9, further
comprising associating the context identification with a channel of a call established
from the initial call establishment negotiation.

11. (Previously Presented) The call context processing method of claim 9, further comprising transmitting a payload and the relevant portions of the extracted header to a remote unit.

12. (Canceled)

13. (Original) The call context processing method of claim 9, the header being an RTP, UDP, IP header.

14. (Original) The call context processing method of claim 9, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

15. (Original) The call context processing method of claim 14, wherein a remote unit accesses the base via airlink.

16. (Original) The call context processing method of claim 9, wherein extracting information comprises processing a create connection message and an associated session data protocol header from the initial call establishment negotiation.

17. (Currently Amended) A machine-readable medium having stored thereon a plurality of executable instructions, the plurality of instructions comprising instructions to:

extract a header from information extracted from initial call establishment negotiation;

compress only relevant portions of the extracted header, the relevant portions comprising a payload type header field; and

establish context identification using the compressed relevant portions of the header.

18. (Original) The machine-readable medium of claim 17, having stored thereon additional executable instructions, the additional instructions comprising instructions to associate the context identification with a channel of a call established from the initial call establishment negotiation.

19. (Previously Presented) The machine-readable medium of claim 17, further comprising instructions to transmit a payload and the relevant portions of the extracted header to a remote unit.

20. (Canceled)

21. (Original) The machine-readable medium of claim 17, the header being an RTP, UDP, IP header.

22. (Original) The machine-readable medium of claim 17, wherein extracting information from initial call establishment negotiation, and establishing the context identification are performed at a base of a transmission network.

23. (Original) The machine-readable medium of claim 22, wherein a remote unit accesses the base via airlink.

24. (Original) The machine-readable medium of claim 17, wherein the instructions to extract information comprises instructions to process a create connection message and an associated session data protocol header from the initial call establishment negotiation.

25. (Currently Amended) A call processing method, comprising:
extracting a header from information extracted from initial call establishment negotiation;

combining only relevant portions of the extracted header and a payload portion, the relevant portions comprising a payload type header field; and

transmitting only the relevant portions of the extracted header and the payload portion to a remote unit.

26. (Previously Presented) The method of claim 25, further comprising compressing the relevant portions of the extracted header.

27. (Previously Presented) The method of claim 26 wherein compressing the relevant portions of the extracted header is performed prior to combining the relevant portions of the extracted header with the payload portion.

28. (Previously Presented) The method of claim 25, further comprising establishing a call context using the relevant portions of the extracted header.

29. (Previously Presented) The method of claim 25 wherein the relevant portions of the extracted header are required for transmission of the payload to the remote unit.

30. (Previously Presented) The method of claim 25 wherein portions of the extracted header not required by the remote unit are not transmitted to the remote unit.

31. (Canceled)

32. (New) A call context processor, comprising:
a header extractor configured to extract a header from information extracted from initial call establishment negotiation;
a header compressor configured to compress only relevant portions of the extracted header, the relevant portions comprising a source internet protocol (IP) address, a destination IP address, a source port, a destination port, a sequence number, and a time stamp; and

an identification module configured to establish context identification using the compressed relevant portions of the header.